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OM protein - protein search, using sw model

Run on: June 25, 2003, 14:55:36 ; Search time 17.6395 Seconds
(without alignments)
680.911 Million cell updates/sec

Title: US-09-622-613b-21

Perfect score: 605
Sequence: 1 MOWMATEFOOKHIIINTPIICN.....ICVKCENGYVHFAGIGRCP 111

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications-AA.*
1: /cgn2_6/ptodata/1/pubppaa/US08_NEW_PUB_PEP.*
2: /cgn2_6/ptodata/1/pubppaa/PCT_NEW_PUB_PEP.*
3: /cgn2_6/ptodata/1/pubppaa/US06_NEW_PUB_PEP.*
4: /cgn2_6/ptodata/1/pubppaa/US07_NEW_PUB_PEP.*
5: /cgn2_6/ptodata/1/pubppaa/US07_NEW_PUB_PEP.*
6: /cgn2_6/ptodata/1/pubppaa/US07_PUBCOMB_PEP.*
7: /cgn2_6/ptodata/1/pubppaa/US07_PUBCOMB_PEP.*
8: /cgn2_6/ptodata/1/pubppaa/US08_PUBCOMB_PEP.*
9: /cgn2_6/ptodata/1/pubppaa/US09_NEW_PUB_PEP.*
10: /cgn2_6/ptodata/1/pubppaa/US09_PUBCOMB_PEP.*
11: /cgn2_6/ptodata/1/pubppaa/US10_NEW_PUB_PEP.*
12: /cgn2_6/ptodata/1/pubppaa/US10_PUBCOMB_PEP.*
13: /cgn2_6/ptodata/1/pubppaa/US60_NEW_PUB_PEP.*
14: /cgn2_6/ptodata/1/pubppaa/US60_PUBCOMB_PEP.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	605	100.0	111	9	US-09-948-391A-21 Sequence 21, Appl
2	605	100.0	117	9	US-09-948-391A-22 Sequence 22, Appl
3	596	58.5	110	9	US-09-948-391A-15 Sequence 15, Appl
4	596	58.5	111	9	US-09-948-391A-26 Sequence 26, Appl
5	595	58.3	111	9	US-09-948-391A-17 Sequence 17, Appl
6	594	58.2	110	9	US-09-948-391A-24 Sequence 24, Appl
7	591	57.7	110	9	US-09-948-391A-24 Sequence 24, Appl
8	282.5	46.7	105	9	US-09-948-391A-6 Sequence 6, Appl
9	278.5	46.0	105	9	US-10-153-882-2 Sequence 2, Appl
10	277.5	45.9	105	9	US-09-948-391A-13 Sequence 13, Appl
11	277.5	45.9	127	9	US-09-948-391A-28 Sequence 28, Appl
12	276.5	45.7	104	9	US-09-948-391A-2 Sequence 2, Appl
13	276.5	45.7	104	9	US-09-948-391A-4 Sequence 4, Appl
14	272.5	45.0	104	9	US-09-948-391A-11 Sequence 11, Appl
15	272.5	45.0	105	9	US-09-948-391A-8 Sequence 8, Appl
16	272.5	45.0	111	9	US-09-948-391A-9 Sequence 9, Appl
17	268.5	44.4	104	9	US-09-948-391A-1 Sequence 1, Appl
18	202	33.4	83	9	US-09-986-119-3 Sequence 3, Appl
19	161	26.6	169	12	US-10-016-447-2 Sequence 2, Appl

20	117	19.3	147	10	US-09-731-872-254 Sequence 254, App
21	114	18.8	124	12	US-10-016-447-5 Sequence 5, Appl
22	113	18.7	147	10	US-09-286-240-6 Sequence 6, Appl
23	113	18.7	147	10	US-09-863-777-2 Sequence 2, Appl
24	110.5	18.3	124	9	US-09-981-286A-8 Sequence 8, Appl
25	110	18.2	131	12	US-10-016-447-6 Sequence 6, Appl
26	86	14.2	161	9	US-10-001-876-197 Sequence 197, App
27	79	13.1	77	9	US-09-925-299-836 Sequence 836, App
28	79	13.1	77	10	US-09-925-299-836 Sequence 836, App
29	72	11.9	156	9	US-09-796-753-102 Sequence 102, App
30	72	11.9	156	9	US-09-796-753-118 Sequence 118, App
31	72	11.9	156	9	US-10-245-103-6 Sequence 6, Appl
32	72	11.9	156	9	US-10-245-107-60 Sequence 60, Appl
33	72	11.9	156	9	US-10-245-143-60 Sequence 60, Appl
34	72	11.9	156	9	US-10-245-171-60 Sequence 60, Appl
35	72	11.9	156	9	US-10-245-851-60 Sequence 60, Appl
36	72	11.9	156	9	US-10-245-883-60 Sequence 60, Appl
37	72	11.9	156	9	US-10-237-535-60 Sequence 60, Appl
38	72	11.9	156	9	US-10-238-183-60 Sequence 60, Appl
39	72	11.9	156	9	US-10-238-283-60 Sequence 60, Appl
40	72	11.9	156	9	US-10-245-055-60 Sequence 60, Appl
41	72	11.9	156	9	US-10-245-147-60 Sequence 60, Appl
42	72	11.9	156	9	US-10-245-730-60 Sequence 60, Appl
43	72	11.9	156	9	US-10-245-739-60 Sequence 60, Appl
44	72	11.9	156	9	US-10-246-210-60 Sequence 60, Appl
45	72	11.9	156	9	US-10-246-210-60 Sequence 60, Appl

ALIGNMENTS

RESULT 1
US-09-948-391A-21
Sequence 21, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 21
LENGTH: 111
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE INFORMATION: Description of Artificial Sequence:Rana
OTHER INFORMATION: catesbeliana ribonuclease with Met at position 1,
OTHER INFORMATION: Met231Ieu and Met58Ieu substitutions (recombinant
OTHER INFORMATION: Met(-1) RACORI Met22Ieu Met57Ieu)
US-09-948-391A-21
Query Match 100.0%; Score 605; DB 9; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.1e-59;
Matches 111; Conservative 0; Mismatches 0; Indels 0; Caps 0;
OY 1 MOWMATEFOOKHIIINTPIICNTLIDNNIYIVGCGCKRVNFIISATTVAICGVINLAV 60
DB 1 MOWMATEFOOKHIIINTPIICNTLIDNNIYIVGCGCKRVNFIISATTVAICGVINLAV 60
OY 61 LSTTRQLMTCRTSITPRCPYSSRTETNYICVKCENGYVHFAGIGRCP 111

APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
PRIOR FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: NO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 17
LENGTH: 111
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbeiana ribonuclease with Met at position 1
OTHER INFORMATION: (recombinant Met(-1) RacOR1)
US-09-948-391A-17

Query Match 98.3% Score 595; DB 9; Length 111;
Best Local Similarity 97.3%; Pred. No. 1.4e-58;
Matches 108; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MNMATEFOQKHIIINPTICNTILDNNIYIVGGCKRVNTEFIISATVKAICTGVINLV 60
DB 1 MNMATEFOQKHIIINPTICNTILDNNIYIVGGCKRVNTEFIISATVKAICTGVINLV 60
QY 61 LSTTRFOLNCTRTSITPRCPYSSRTETNYICVKCENQYPVHFAIGRCGP 111
DB 61 LSTTRFOLNCTRTSITPRCPYSSRTETNYICVKCENQYPVHFAIGRCGP 111

RESULT 6

US-09-948-391A-19
Sequence 19, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
PRIOR FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: NO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 19
LENGTH: 110
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbeiana ribonuclease with Met22Leu and
OTHER INFORMATION: Met57Leu substitutions (recombinant RacOR1
OTHER INFORMATION: Met22Leu Met57Leu)
US-09-948-391A-19

Query Match 98.2% Score 594; DB 9; Length 110;

Best Local Similarity 99.1%; Pred. No. 1.8e-58;
Matches 109; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 MNMATEFOQKHIIINPTICNTILDNNIYIVGGCKRVNTEFIISATVKAICTGVINLV 61
DB 1 MNMATEFOQKHIIINPTICNTILDNNIYIVGGCKRVNTEFIISATVKAICTGVINLV 60
QY 62 STTRFOLNCTRTSITPRCPYSSRTETNYICVKCENQYPVHFAIGRCGP 111
DB 61 STTRFOLNCTRTSITPRCPYSSRTETNYICVKCENQYPVHFAIGRCGP 110

RESULT 7

US-09-948-391A-24
Sequence 24, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
PRIOR FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: NO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 24
LENGTH: 110
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbeiana ribonuclease with GluInsr substitution
OTHER INFORMATION: (recombinant RacOR1 Q15)
US-09-948-391A-24

Query Match 97.7% Score 591; DB 9; Length 110;
Best Local Similarity 98.2%; Pred. No. 3.8e-58;
Matches 107; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 3 MNMATEFOQKHIIINPTICNTILDNNIYIVGGCKRVNTEFIISATVKAICTGVINLV 62
DB 2 MNMATEFOQKHIIINPTICNTILDNNIYIVGGCKRVNTEFIISATVKAICTGVINLV 61
QY 63 TTRFOLNCTRTSITPRCPYSSRTETNYICVKCENQYPVHFAIGRCGP 111
DB 62 TTRFOLNCTRTSITPRCPYSSRTETNYICVKCENQYPVHFAIGRCGP 110

RESULT 8

US-09-948-391A-6
Sequence 6, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
PRIOR FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27

```

:
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO: 6
: LENGTH: 105
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
: OTHER INFORMATION: ribonuclease with Met at position 1 (recombinant)
: OTHER INFORMATION: Met(-1) RApLR1)
US-03-948-391A-6

```

Query Match	46.78	Score 282.5	DB 9	Length 105
Best Local Similarity	49.18	Pred No. 5.3e-24		
Matches 55	Conservative 16	Mismatches 32	Indels 9	Gaps 4

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OY      1 MQNMATEFQQKHILNT-PLICNFTILDNNIYIVGGCKRVAITEFISSATTYVAAICTGYI-NL 58
        ||| |||||:: :: :: :: :: || |||| | |||| ::| :
Db      1 MQDWLEFQKKHLTNRDVCNNIMSTNLF---HCKDKNTFIYSRPEPVAKICKGIISK 56
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QY      59 NVLSTTRQQLNTCTRTSITPRPCPYSSKRETNIVKCCENQYPVHFAGIGRC 110
      |||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      57 NVLTTSFFLYSDC---NVTSRDCKYKLLKKSNTFCVTCENQAPVHFPVGVGHC 105

```

RESULT 9
US-10-153-882-2

```

sequence 2 Application US/10153882
Publication No. US20030099629A1
GENERAL INFORMATION:
APPLICANT: GOLDENBERG, David M.
APPLICANT: HANSEN, Hans
APPLICANT: LEUNG, Shui-on
TITLE OF INVENTION: RECOMBINANT ONCONASE, AND CHEMICAL CONJUGATES AND
TITLE OF INVENTION: FUSION PROTEINS OF RECOMBINANT ONCONASE
FILE REFERENCE: 018733/0913
CURRENT APPLICATION NUMBER: US/10/153,882
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: US/09/265,901
PRIOR FILING DATE: 1999-03-11
PRIOR APPLICATION NUMBER: US 60/077,557
PRIOR FILING DATE: 1998-03-11
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 105
TYPE: PRT
ORGANISM: Rana pipiens
IS-10-153-882-2

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Query Match	46.0%	Score	278.5	DB	9	Length	105
Best Local Similarity	49.1%	Pred. No.	1.5e-23				
Matches	55	Conservative	16	Mismatches	32	Indels	9
						Gaps	4

[illegible]

RESULT10
US-03-948-391A-13
; Sequence 13, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.

```

1  APPLICANT: Newton, Dianne L.
2  APPLICANT: The United States of America
3  APPLICANT: as represented by The Secretary of the
4  APPLICANT: Department of Health and Human Services
5  TITLE OF INVENTION: Recombinant Anti-Tumor RNase
6  FILE REFERENCE: 015280-343110S
7  CURRENT APPLICATION NUMBER: US/09/948,391A
8  CURRENT FILING DATE: 2002-05-10
9  PRIOR APPLICATION NUMBER: US 60/079,751
10 PRIOR FILING DATE: 1998-03-27
11 PRIOR APPLICATION NUMBER: WO PCT/US99/06641
12 PRIOR FILING DATE: 1999-03-26
13 PRIOR APPLICATION NUMBER: US 09/622,613
14 PRIOR FILING DATE: 2000-08-17
15 NUMBER OF SEQ ID NOS: 43
16 SOFTWARE: PatentIn Ver. 2.0
17 SEQ ID NO 13
18 LENGTH: 105
19 TYPE: PR1
20 ORGANISM: Artificial Sequence
21 FEATURE:
22 OTHER INFORMATION: Description of Artificial Sequence:Rana pipiens
23 OTHER INFORMATION: ribonuclease with Met at position 1 and Gln2Ser
24 OTHER INFORMATION: substitution (recombinant Met(1) RatPRL1 Q15)
25 US-09-948-391A-13

```

Query Match	45.98;	Score 277.5;	DB 9;	Length 105;
Best Local Similarity	48.28;	Pred. No. 1.9e-23;		
Matches 54;	Conservative 16;	Mismatches 33;	Indels 9;	Gaps 4;

```
QY      1 MGNATFQQKHIIINT-PIICNITLNDNIYIVGGCKRVNTFISSATTVKAICGVY-NL 58
          | : |||::|| ::||: || |||| : |||| ::| :
Db       1 MSDWLTFQKKHLTNRDVCNNIMSTNLF---HCKDKNTFIYSRPEPVKAIICKGLIASK 56
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QY 59 NVLSTTRQPLNTCTRTSITPPRCYSSKRETNITCVKCNENQPVHFAIGRC 110
Db 57 NVLTTSSEFVLSDC---NVTSSRQCKYKLKSTNTEFCVTCENAPVHFVGVGHC 105

RESULT 11
US-09-948

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Sequence 28, Application US/099448391A.
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor
Rnase
FILE REFERENCE: 015280-341110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 127
TYPE: PRT
ORGANISM: Rana pipiens
FEATURE:
OTHER INFORMATION: Rana pipiens ribonuclease (RaPLR1) Clone 5a1b cDNA
US-09-948-391A-28

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Query Match	45.9%;	Score 277.5;	DB 9;	Length 127;
Best Local Similarity	48.6%;	Pred. NO. 2.4e-23;		
Matches 54;	Conservative 16;	Mismatches 32;	Indels 9;	Gaps 4;

[illegible]

RESULT 12
US-09-948

Sequence 2 Application US/09948391A
Publication No. US2003002731A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015240-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: patentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 104
TYPE: PRT
ORGANISM: Rana pipiens
FEATURE:
OTHER INFORMATION: ribonuclease (RanP1)

RESULT 13

US-09-948-391A-4
Sequence 4, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor Rhase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948, 391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079, 751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/006641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/652, 613
PRIOR FILING DATE: 2000-08-17

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: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 4
: LENGTH: 104
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
: OTHER INFORMATION: ribonuclease with Met23Leu substitution
: OTHER INFORMATION: (recombinant RapLprt Met23Leu)
US-09-948-391A-4

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RESULT 14

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US-09-948-391A-11
: Sequence 11, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: APPLICANT: Department of Health and Human Services
: TITLE OF INVENTION: Recombinant Anti-Tumor Rhase
: FILE REFERENCE: 015280-3431100S
: CURRENT APPLICATION NUMBER: US/09/948,391A
: CURRENT FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 11
: LENGTH: 104
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
: OTHER INFORMATION: ribonuclease with Glu1ser substitution
US-09-948-391A-11

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RESULT 15
US-09-948-391A-8
; Sequence 8, Application US/09948391A

```

: Publication No. US2003002731A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newlon, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: APPLICANT: Department of Health and Human Services
: TITLE OF INVENTION: Recombinant Anti-Tumor RNase
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948, 391A
: CURRENT FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079, 751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622, 613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: Patent In Ver. 2.0
: SEQ ID NO 8
: LENGTH: 105
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
: OTHER INFORMATION: ribonuclease with Met at position 1 and Met24Leu
: OTHER INFORMATION: substitution (recombinant Met(-1) RapLr1 Met23Leu)
US-09-948-391A-8

Query Match      45.0%; Score 272.5; DB 9; Length 105;
Best Local Similarity 49.1%; Pred. No. 6.8e-23;
Matches 55; Conservative 14; Mismatches 34; Indels 9; Gaps 4;

QY      1  MONMATEQOKHIINT-PIICNTILDNNIYVGQCKRVNTFIISATVKAICTGYI-NL 58
      1  MODWLTFOKKHLNTRDVCNNILSTNLF----HCKDKNTFIYSRPEPVKAICKGIIASK 56
QY      59  NVLSTRQQLNCTCTSTIPRCPISSRTETNYICVCKCENQYPVHFAGIGRC 110
      57  NVLTTFEFLSDC---NWTSRPCCKYKLLKSKTTFCTCENQAPVHFVGVGHC 105

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Search completed: June 25, 2003, 15:42:18
 Job time : 17.6395 secs